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**From:** JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]  
**Sent:** 2/25/2020 8:55:21 PM  
**To:** Wayne Miller [Miller.Wayne@azdeq.gov]; steve@uxopro.com  
**CC:** Pearson, Stuart C. [stuart.pearson@woodplc.com]; William Hughes [William.Hughes@cn-bus.com]; D'Almeida, Carolyn [dAlmeida.Carolyn@epa.gov]  
**Subject:** FW: [Non-DoD Source] 2020-2-24 - WAFB -FYI -biotrap samplers installed ST012-

Wayne and Steve-

Sorry for the mis-communication on the bio-trap deployment. We can talk about suggestions for future field visits in our meeting on Thursday.

Don's email below lists the locations and depths where the bio-traps were deployed.

Thanks.

Cathy

//SIGNED//

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**From:** Smallbeck, Donald R. <donald.smallbeck@woodplc.com>  
**Sent:** Tuesday, February 25, 2020 12:35 PM  
**To:** JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
**Cc:** Pearson, Stuart C. <stuart.pearson@woodplc.com>  
**Subject:** RE: [Non-DoD Source] 2020-2-24 - WAFB -FYI -biotrap samplers installed ST012-

Here are the particulars of the bio-trap deployment for Wayne and others.

Eight <sup>13</sup>C benzene labeled bio-traps were deployed at ST012 on Monday, February 24, 2020 by Pat Collins at approximately 10:00 to 11:00 AM. The bio-traps were deployed as follows:

- Two bio-traps were deployed in UWBZ26 at 180 feet below top of casing (btoc) on individual lanyards (the screened interval of UWBZ26 is 170-195 feet btoc)
- Two bio-traps were deployed in UWBZ27 at 180 feet btoc on individual lanyards (the screened interval of UWBZ27 is 170-195 feet btoc)
- Two bio-traps were deployed in LSZ38 at 225 feet btoc on individual lanyards (the screened interval of LSZ38 is 210-245 feet btoc)
- Two bio-traps were deployed in LSZ39 at 225 feet btoc on individual lanyards (the screened interval of LSZ39 is 210-245 feet btoc)

The plan is to recover one bio-trap from each well after five weeks (Monday, March 30, 2020) and submit them for stable isotope probing (SIP) analysis through Microbial Insights. The second bio-trap deployed in each well will be recovered after eight weeks (Monday, April 20, 2020) and then submitted for SIP analysis.